

MAN INVENTS A BOMB FOR DEEP-SEA SOUNDING

Dr. Homer A. Huntington, of Amesbury, Mass., has invented a deep-sea sounding device which he calls a sounding bomb.

"It will descend to the bottom of the deepest oceans, then explode and tell the observer the exact depth of the sea at that point," said Dr. Huntington yesterday.

As it requires several hours to obtain deep-sea soundings by the usual method, especially in rough weather with strong currents, he believes that much time and expense will be saved by the use of his invention and far greater accuracy obtained than by the present methods.

The apparatus consists of a long steel rod, polished and pointed, carrying a charge of dynamite, with an electrical battery which explodes it the instant the bottom of the ocean is reached.

"As water is a good conductor of sound, the expert with his stop watch, hearing the explosion and knowing the time elapsed, can tell the ocean's depth," said Dr. Huntington. "The apparatus, of course, is blown to pieces, but the loss is much less than the cost of the coal consumed while taking soundings in the ordinary way."

The details of the mechanism and

its scientific operation are thus given in a description prepared by Dr. Huntington:

This apparatus consists of a steel cylinder containing a charge of dynamite and an electric battery for exploding the charge. At one end the cylinder is heavily weighted, the weight being sharply pointed to facilitate its passage downward through the water. Within this weight is a smaller cylinder containing a piston and a spring. An opening in the free end of this weight conducts water to the piston which actuates a spring and cause a contact pin to take its place in an electrical circuit.

"Through the larger main cylinder passes a rod actuating a spring, not by compressing it, but acting against it when the bomb is sinking. This action is produced by a fan at the free end of the rod, the faces of the fan being at a slight angle to the rod's line of motion when sinking."

"When the bomb ceases to sink the fan ceases to act, and the spring, now unopposed, establishes its part of the electric circuit. Explosion follows, the depth being estimated from the time occupied from the sinking of the bomb to the perception of the sound of its explosion."

TO AVOID THE HEAT IN THE KITCHEN

A desirable thing about summer cooking is to prepare everything possible in the cool of the morning. Plain dishes that can be cooked and put in the ice-box after breakfast, so that dinner getting will be a matter of a few minutes' heat, at most. Have cold desserts, plenty of salads, and if you possess a garden or a porch, have as many meals there as you can, says a writer for the Pictorial Review. The fireless cooker has become so essentially a summer accessory that scarcely any comment on its value in keeping the house cool is necessary. Ices and mousses may be made in the fireless cooker if you have not a freezer. It does very well for any sort of frozen dessert, pudding or beverage that simply requires packing without churning. Use a mold with a tight-fitting cover, well-greased, and fill the well of the cooker with the usual mixture of ice and salt, surrounding your mold. The perfect insulation of the cooker walls enables you to get good results with cold dishes, raspberry ice, strawberry or peach mousse, cafe frappe — are not these tempting thoughts?

As we must have some hot food, a few small casseroles will help greatly in setting away dishes that are to be reheated. Creamed peas, cauliflower au gratin, mashed potatoes to be browned, shepherd's pie, clams or crabs—these all indicate a host of summer dishes successfully treated in a casserole.

A steam cooker will prepare, early in the morning, most of the necessary vegetables and meats that are to be warmed up in ramekins for an entire reheated dinner, or it will get them all ready at one cooking, and over one burner, shortly before the dinner hour. The small amount of fuel consumed and the excellence of food that has been thus moist-cooked, are splendid features of this type of cooker. In contrast to the gas plate, it is vertical in principle, the different articles being set one above the other. They are in separate compartments so that the cabbage cannot possibly flavor the chicken. The newest steam cooker has a whistle attachment, which gives a warning about 20 minutes before the water in the under pan is exhausted.

By thinking the menu over, and eliminating many hot and unsatisfactory dishes during the warmest weather, the range might be used at most only one or two days in the week. A small oil or gas burner supplemented in one of several ways will do all that is really necessary.

One of these ways is a "gas saver," which is a large metal plate of square, round or triangular shape, fitting over the gas jet or oil flame. The triangular shape has the merit of accommodating three saucepans at once. When one burner is made to do duty for three kinds of cooking there is not only a distinct difference in the temperature of the kitchen but an obvious decrease in the fuel bill. A "gas saver" of course is economical the year round.

TRIMMING

For Dresses Show A Greater Decoration

Because of the new ideas which are brought out in the advance fashions for fall there is a strong probability of a popularity for fancy dress trimmings. The many drapings, puffs and furbelows which have been in style for a couple of seasons have prevented the use of many trimmings, but the long tunics which are promised for fall give ample opportunity for trimmings to relieve the plainness. There has been so much decoration in the draping of the material that there has been no necessity for other ornamentation, but designers see an opportunity for bringing into vogue a large variety of trimmings. The plain tailored suits which it seems probable will be adopted in the fall with the long tunic and severe outline will be adapted to various styles of bands, braids and soutache trimmings.

Fur bands, which sprung into favor last year so suddenly, seem only the forerunner of those which will be worn next winter, the difference being that the new fur trimmings promised are to be wider bands than their predecessors. Loops and frogs in passementerie with additions of fur bands and jets give an idea of the

novelties which will be offered. In evening dress there is expected to be glitter and dazzle from much spangled net; tinsel, beaded and jet decorations are shown. Nets of every description, spangled and beaded, and festoons of beads will be a strong feature. Sleeves are made of nothing but festoons of beads, and these also are used for decorating the fronts of bodices.

Flounces of lace with the design outlined in colored beads and spangles and all kinds of tassels in silk and beads will be favored. Although it is only a rumor as yet, it is said that there is a possibility that knotted fringes will again be popular.

Golfer's Great Catch.

A good story is told of the late William Morrison, the actor. Playing on a Tuxedo Links, he was driving off at the seventh hole (which stands on a high embankment with a burn in front), and after the usual waggie, he let go. But the head of his driver was loose. It came off and went into the burn and left him with nothing but the shaft, with the whipping straightened out—one end attached to the shaft and the other to the head of the club. There he stood a la anglaise, then he was heard to shout to his caddie: "Get the landing net ready, you fool! I've got a ten pounder here!"—World of Golf.

Wise Girl.

Alice—How many times would you make a man propose to you before you said yes? Marie—If you have to make him propose better say yes the first time.—Boston Traveler.

SEVERE

Hail And Electric Storm At Danville

Crops Ruined On Spearman Farm—Horse Killed

Danville, June 26—A severe hail and electric storm raged over this vicinity yesterday afternoon about 2:30 o'clock and did considerable damage.

The hail storm was the severest at the Clyde Spearman farm, two and a half miles north of here. Practically its entire crop was ruined. Corn and wheat were beaten down and cut to pieces. The loss to Mr. Spearman will be quite heavy.

A large tree near his farm was blown across a cluster of telephone wires. Three poles were broken off and a number of phones were put out of service.

A bolt of lightning struck a horse at the Mesbac Baker place, north of here. The animal was instantly killed.

ASHBROOK

Appoints Newark Boy As Cadet To West Point

Congressman Ashbrook on Thursday, appointed Roderick P. Miller of Newark, son of Attorney C. W. Miller, as a cadet to West Point.

Each representative and senator is entitled to appoint one cadet every four years, which means that only one young man in less than 200 has an opportunity of this kind each year in the entire nation.

OHIO

Elks To Hold Reunion At Cedar Point, July 18

Sandusky, O., June 26—The executive committee, meeting at Cedar Point yesterday completed arrangements for the annual outing of the Ohio Elks' Reunion association to be held there the week of July 18.

A trap shooting tournament was agreed upon as a reunion feature. A silver trophy will be purchased to be defended annually by the lodge holding it.

The committeemen attending were: Edwin G. Slough, Mansfield; Earl T. Stevens and Clyde Reasoner, Zanesville; Ernest Von Bergen, Cincinnati, and Harry P. Black, Tiffin.

ADOPTED

Girl Sees Parent For The First Time

Canton, O., June 26—A 15-year-old girl met her mother for the first time since infancy in the county jail here today. After they had been introduced by the jailkeeper's wife, the two wept on each other's shoulders.

The girl was Grace Berger of this city and the woman Mrs. William Jones of East Liverpool. Until a few months ago the girl believed she was the daughter of Mr. and Mrs. Jacob Berger, by whom she had been adopted.

The gossip of high school mates disclosed to her the Bergers were not her parents. She then believed her own to be dead. She was taken by her mother to live at the family home, where she will meet her four sisters and brothers for the first time. The girl was taken into custody when she ran away from her foster parents.

Miss Edith Hurst of Chillicothe is visiting her sister, Mrs. Frank Harper. Mr. George Lewis, West Gambler street, went to Columbus Saturday.

CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of J. C. Watson

UNITED STATES TO STUDY THE ROAD CONDITIONS

Detailed studies of local road building systems in 100 counties are now being carried on by the United States department of agriculture in co-operation with the state highway department and local road authorities.

The purpose of this study is to discover the points of excellence and defects in existing local methods of building and maintaining roads which will aid the state authorities to put local road management on a systematized basis. The co-operating state authorities have been asked to designate counties that present typical and exceptional features as to topography, character of road materials, methods of construction and maintenance, administrative organization, methods of road financing, and traffic conditions. From these lists 100 counties will be selected, and in these counties the division of road economics will make intensive studies.

This investigation is prompted by the fact that there is at present very little knowledge as to the most effective and economical methods by which a county can develop its roads. At present the methods of financing local road improvements vary from calling on farmers for a certain number of days' labor in lieu of a road tax, or the use of county prisoners in road construction, to bond issues or maintenance of roads from dramshop license funds.

The department will study all of these systems with the view to determining what system or combination of systems works best in practice.

There is, moreover, at present no standard system of keeping accounts for road building and maintenance, and as a result, while some counties know to a penny the purpose for which money was spent, others have no definite check or reporting system.

Among various counties with the same conditions cost for excavation or other labor is anything but uniform, and many counties, because of the absence of definite knowledge, fail to use local and cheap materials, and construct roads which are unnecessarily expensive for their purpose, or which will wear out before the bond issues are redeemed. The investigation will include a careful study of the use of convict labor in road construction.

In connection with the scientific study the department's highway engineers will advise freely with local officials as to improvements, and thus give each county visited the advantage of direct co-operation, engineering supervision and assistance.

These investigations, it is believed, will yield important economic data bearing especially on the benefits and burdens of road improvements and showing the extent to which financial outlay under given typical conditions is justifiable.

The heads of state highway departments are manifesting great interest and are co-operating cordially in this work. These data when obtained will be published and thus made accessible to all county and state road officials.

ARREST

Of A Man Here Who Is Wanted In Orrville

William Vanatta was arrested in the Pennsylvania railroad yards in this city at 10 o'clock Friday morning by Detective Martin and Officer McElroy. It is alleged that Vanatta is wanted in Orrville on a charge of burglary and larceny. It is claimed that he broke into a store in that place a few nights ago and stole a revolver and other articles. He will be held until an officer arrives from Orrville to take him to that place.

Mr. W. J. Hoesflick and daughters of North Sandusky street went to Columbus Saturday morning.

Mr. Fred Easterbrook of East Pleasant street is spending the day in Columbus.

Mr. and Mrs. B. B. Corwin of East Burgess street went to Mt. Liberty this morning to visit relatives.

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